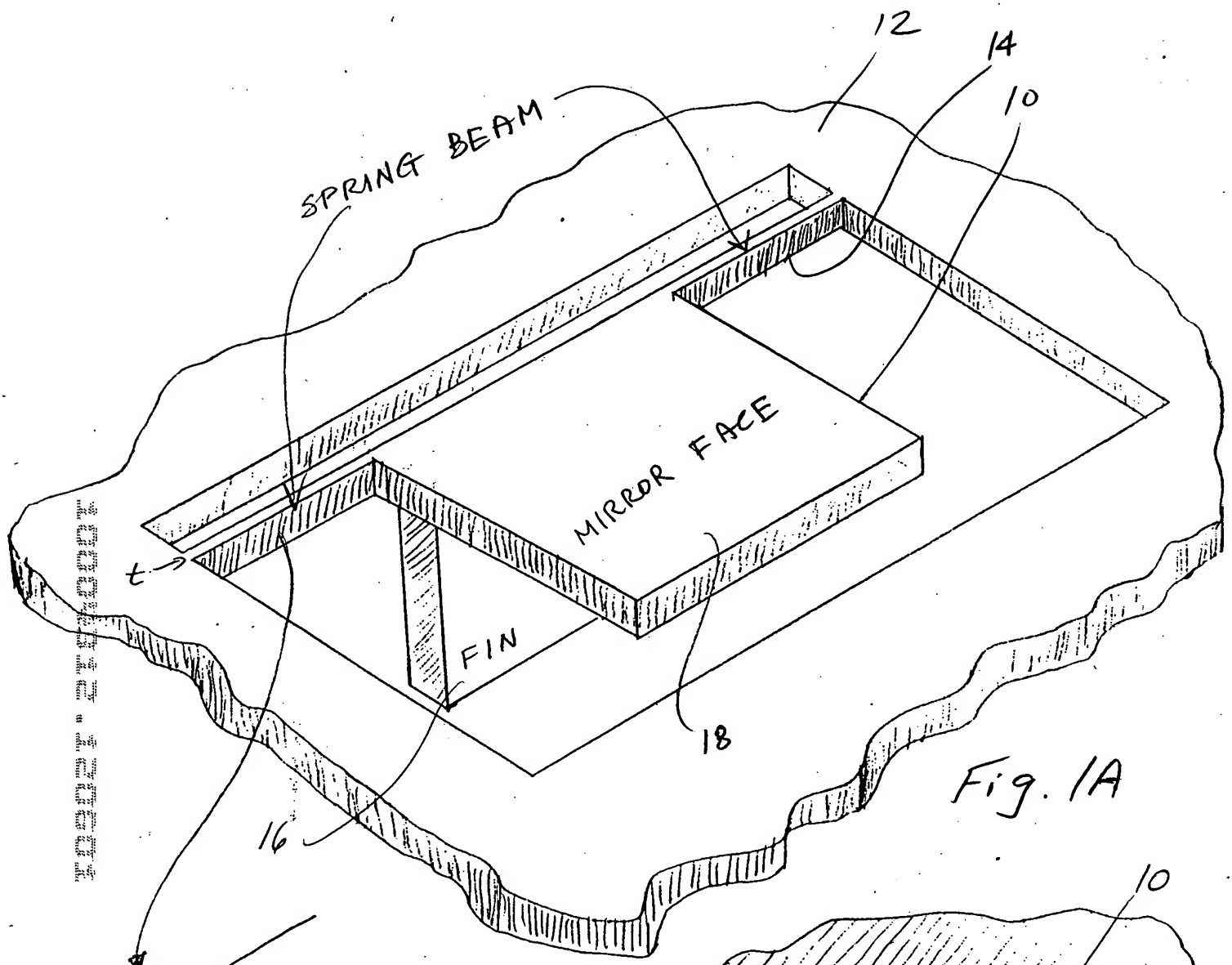
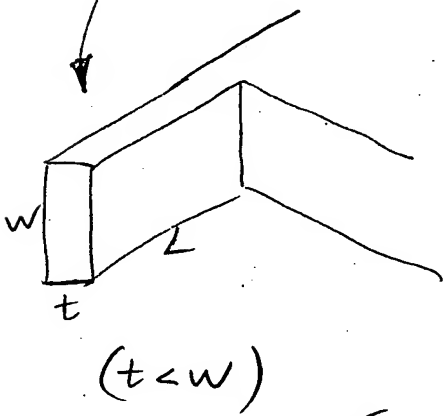


Fig. 1A



(t<w)

Fig. 1B

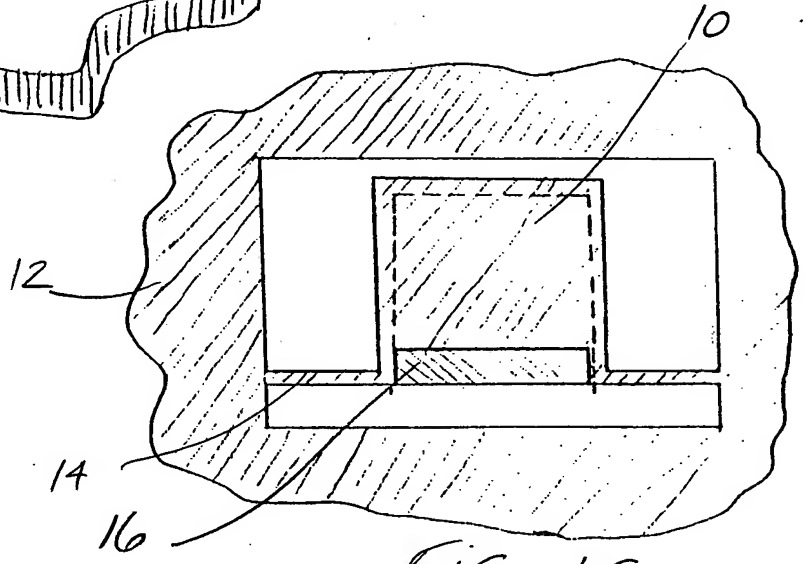


Fig. 1C

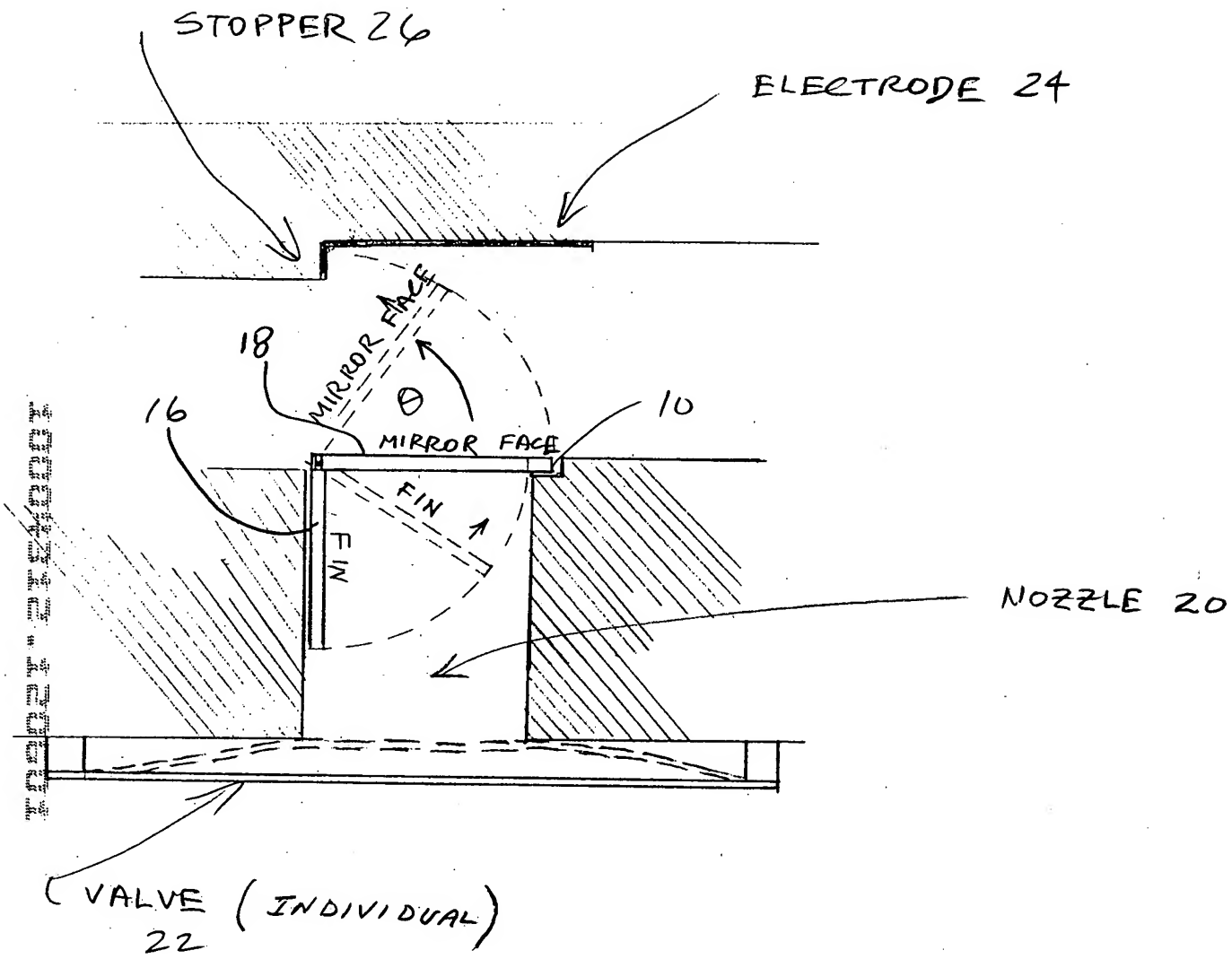

STOPPER 26
ELECTRODE 24
18
MIRROR FACE
θ
16
10
MIRROR FACE
FIN
TIN
NOZZLE 20
VALVE (INDIVIDUAL)
22

Fig. 2

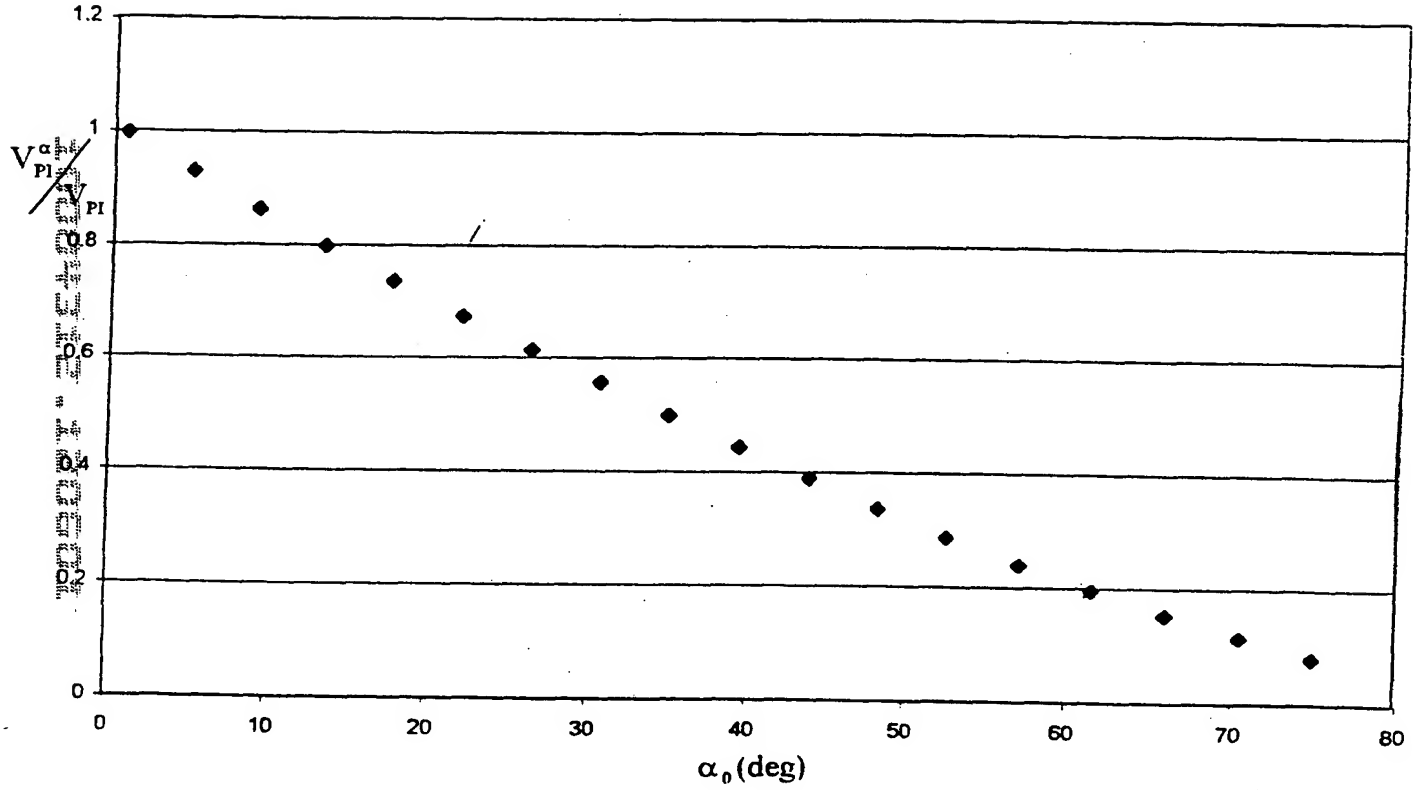

1.2
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
80
$V_{PI}^{\alpha_0}/V_{PI}$
α_0(deg)

Fig. 3

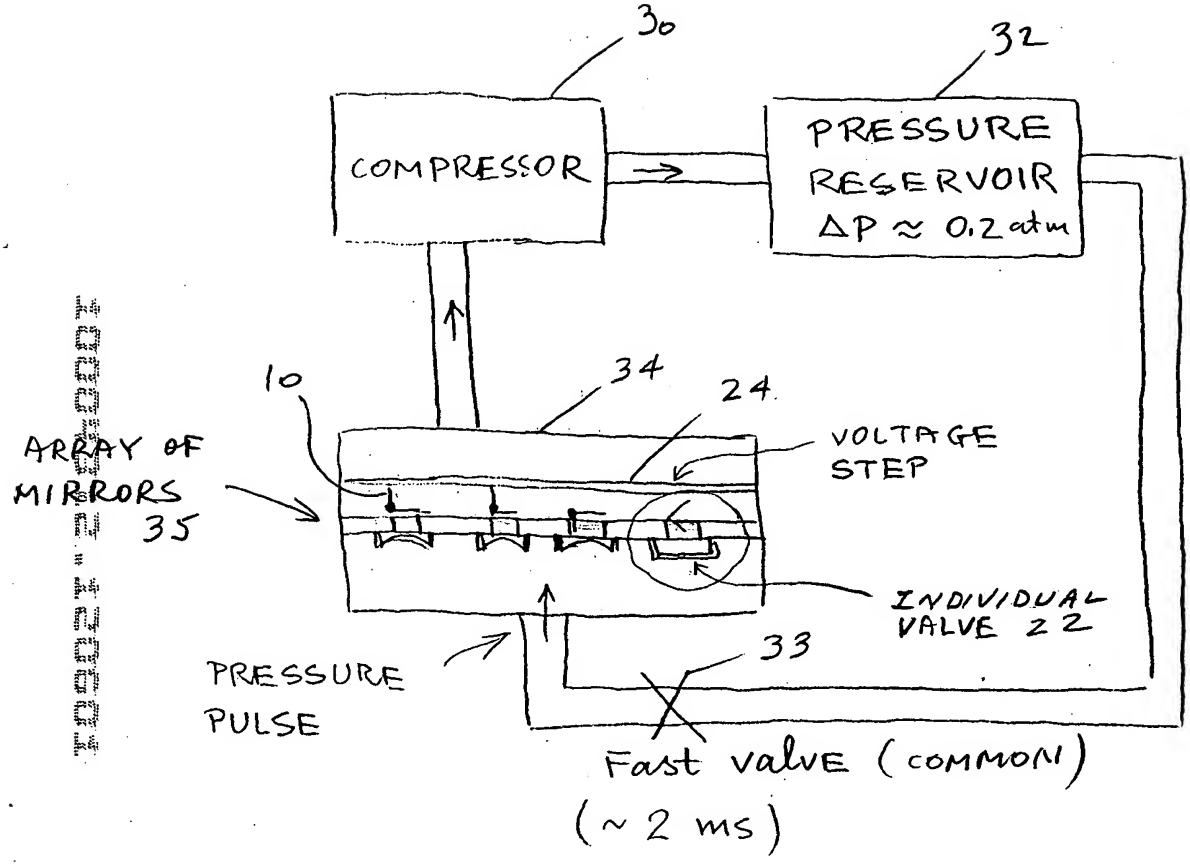

30
32
COMPRESSOR
PRESSURE
RESERVOIR
ΔP ≈ 0.2 atm
10
34
24
ARRAY OF
MIRRORS
35
VOLTAGE
STEP
INDIVIDUAL
VALVE 22
33
PRESSURE
PULSE
Fast valve (COMMON)
(~ 2 ms)

FIG. 4

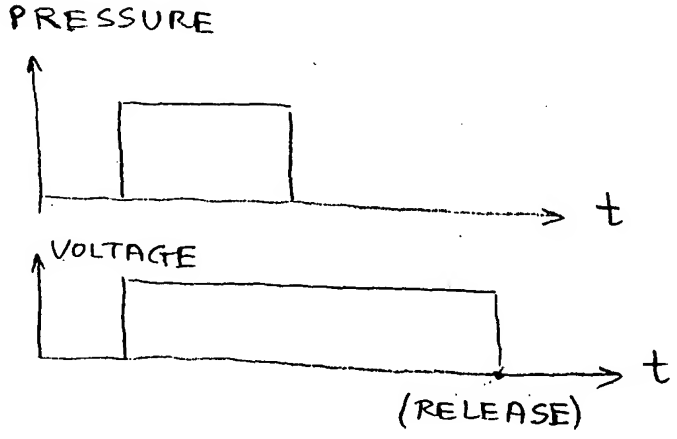

PRESSURE
t
VOLTAGE
t
(RELEASE)

FIG. 5

thickness= 5e-007 [meter] v= 50 [volt]
length= 0.0003 [meter]
width= 1e-005 [meter]
elastic= 7.000000e+010 [pascal]
srp= 0.1 [atmosphere]

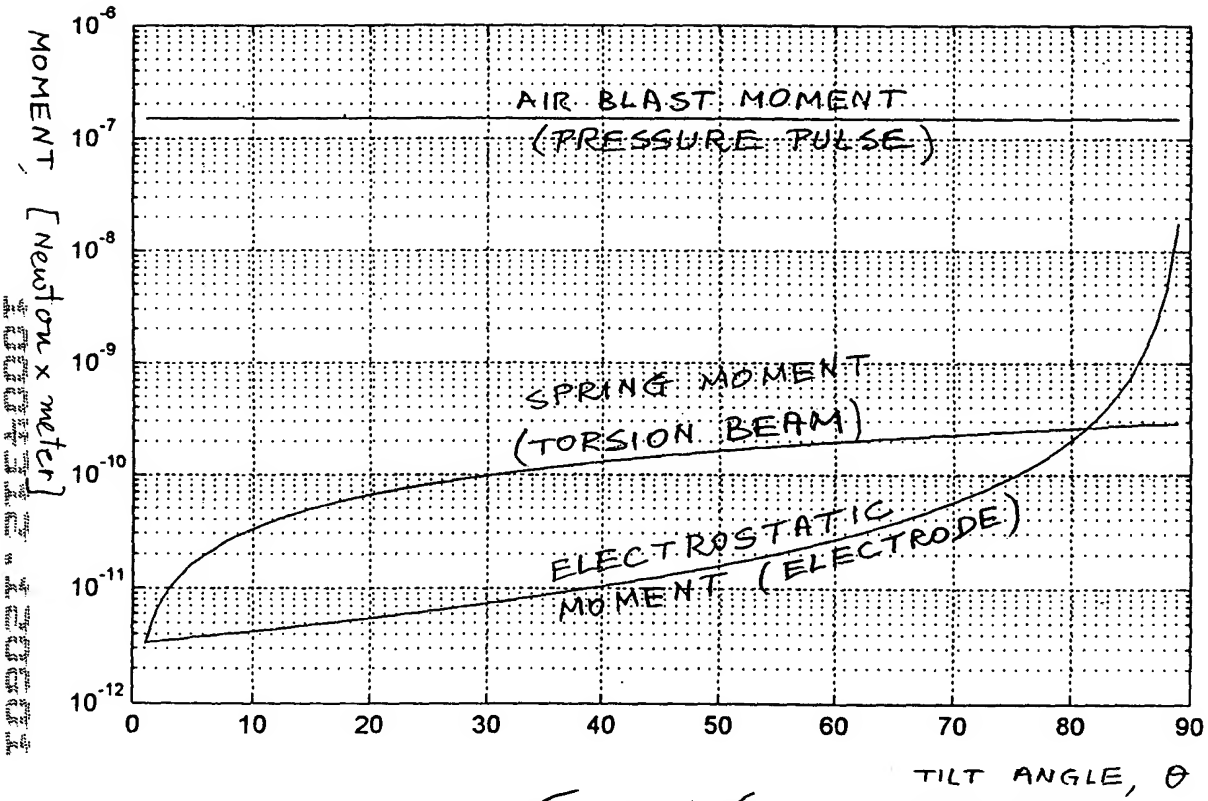
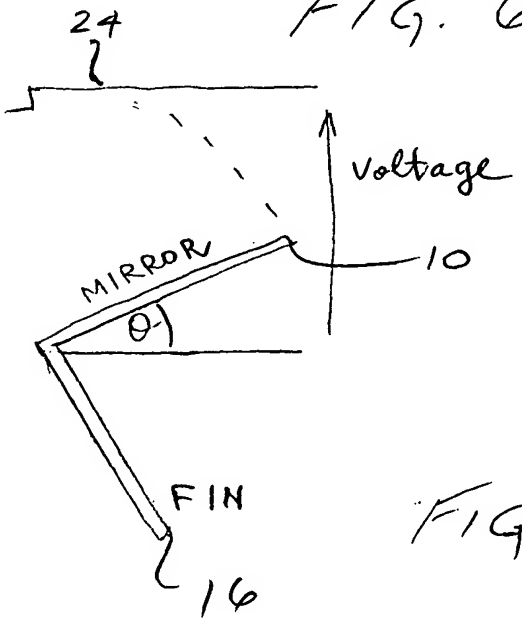


FIG. 6



Spring Moment = $k \cdot \theta$

FIG. 7

thickness= 2e-006 [meter] v= 50 [Volt]
length= 0.0003 [meter]
width= 1e-005 [meter]
elastic= 7.000000e+010 [pascal]
srp= 0.1 [atmosphere]

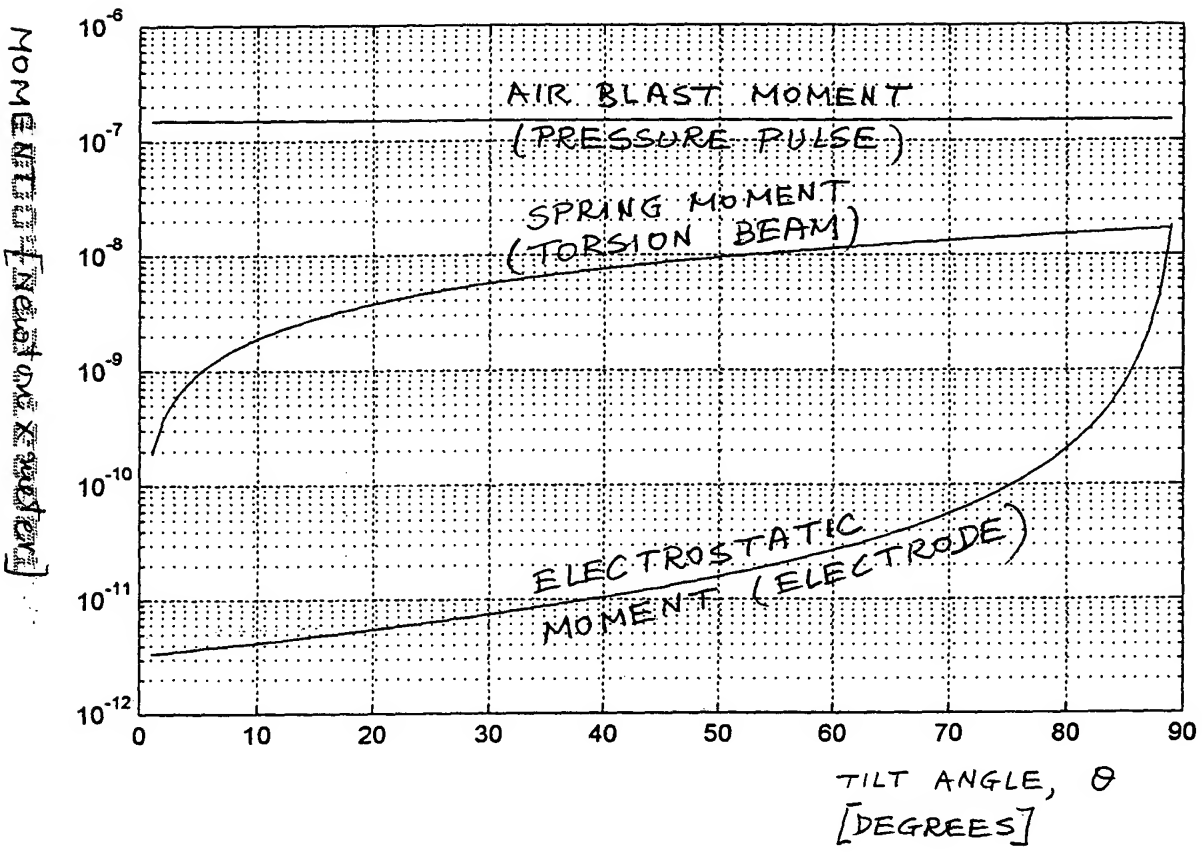


FIG. 8

thickness= 2e-006 [meter] v= 200 [Volt]
length= 0.0003 [meter]
width= 1e-005 [meter]
elastic= 7.000000e+010 [pascal]
srp= 0.1 [atmosphere]

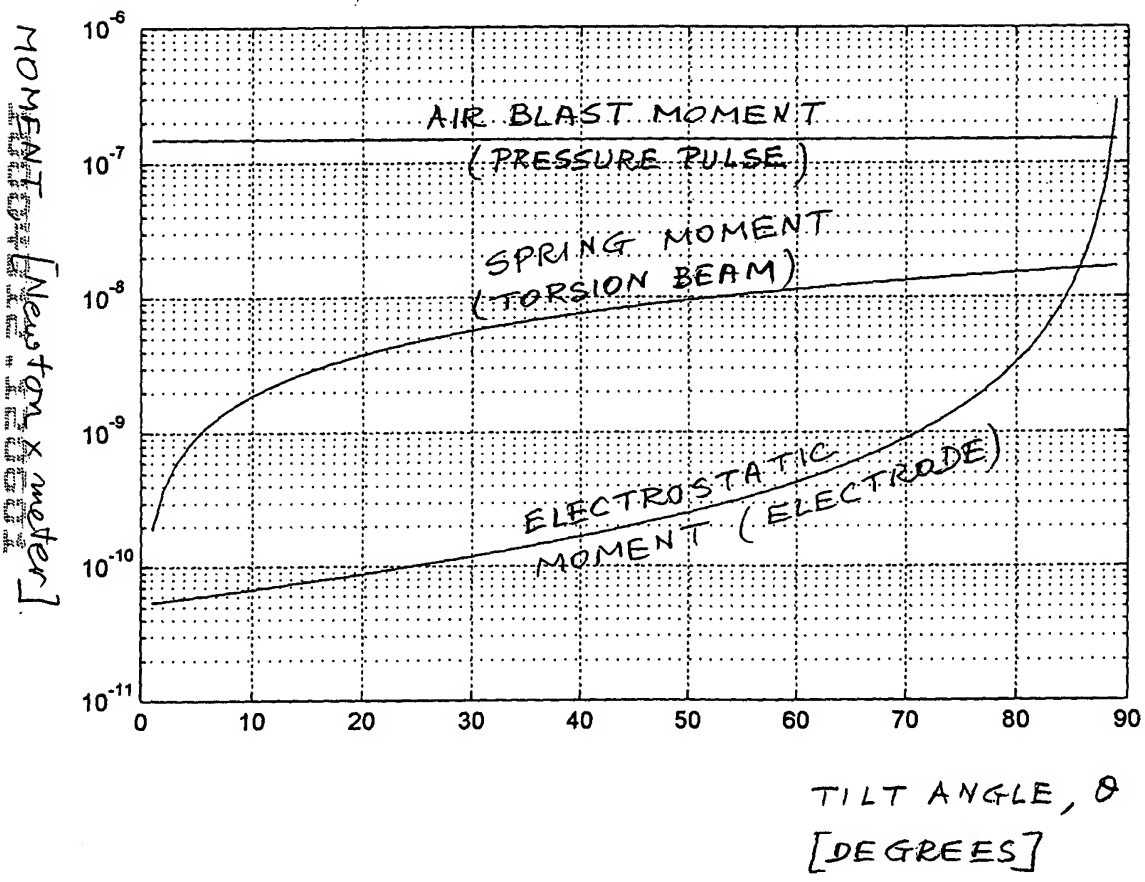


FIG. 9